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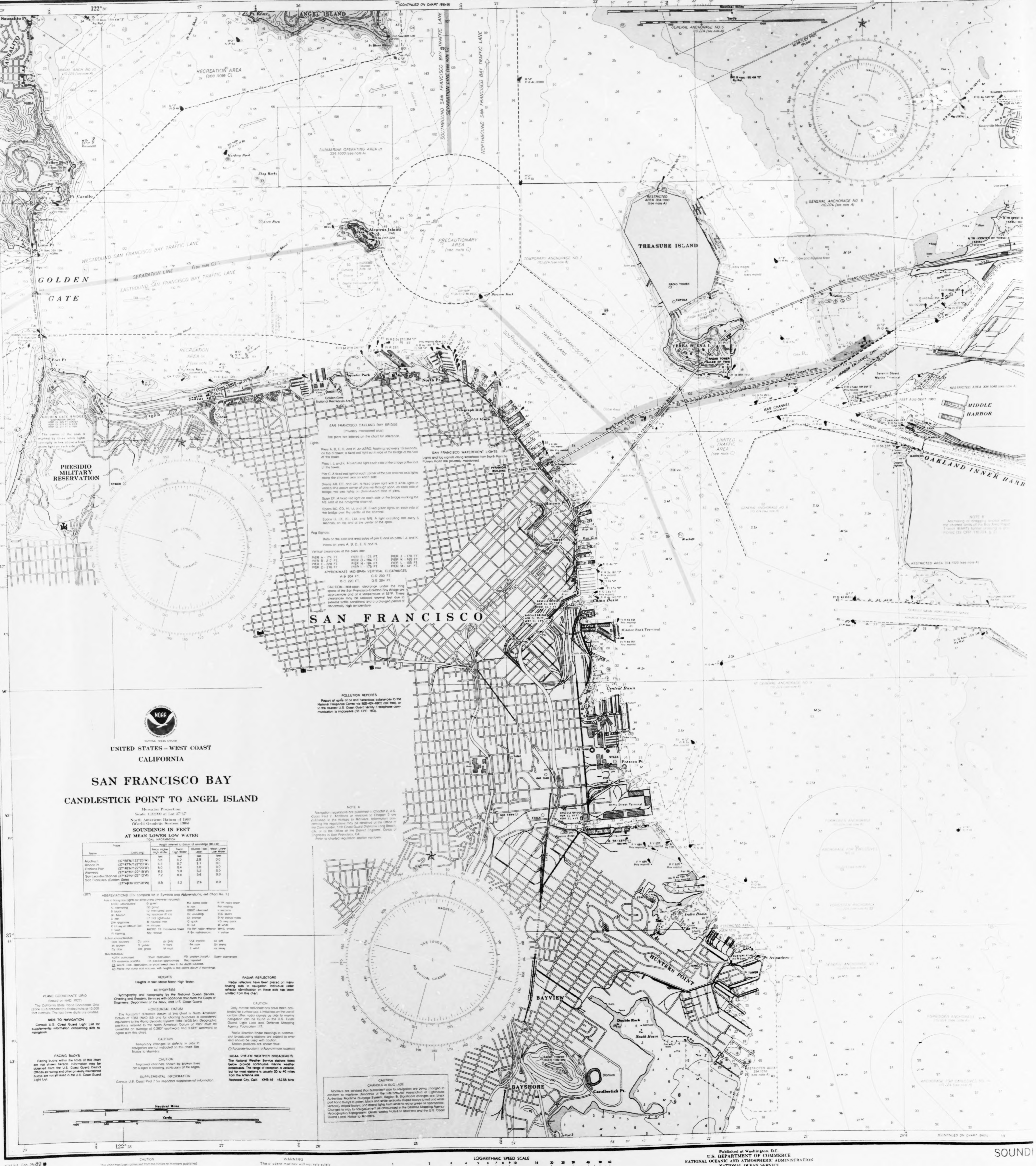
Formerly C&GS 5535, 1st Ed., Feb. 1926



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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

LOGARITHMIC SPEED SCALE
1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

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OAKLAND OUTER AND INNER HARBORS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS-SURVEYS TO SEPT 1988								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	34.1	39.3	41.0	37.5	3-88	800	0.43	35
OUTER HARBOR ENTRANCE CHANNEL	A23.1	37.2	38.0	37.0	3-88	600-800	0.87	35
OUTER HARBOR	20.4	33.0	33.3	B16.5	3-88	800-1250	1.40	35
INNER HARBOR								
ENTRANCE CHANNEL	34.7	35.0	33.3	34.7	5,7,9-88	800-300	1.09	35
INNER HARBOR REACH	C25.5	36.1	35.1	D35.8	7-88	300-600	2.77	35
GROVE ST PIER TO BROOKLYN BASIN	26.8	34.0	31.7	E11.4	7-88	600	1.30	35
BROOKLYN BASIN SOUTH CHANNEL	F27.4	35.1	25.3	G10.5	7-88	600-300	0.96	35
PARK ST BRIDGE REACH	16.9	20.6	20.5	11.3	7-88,3-88	100-275	0.42	35

A. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 37.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. THE HARBOR HAS SHOALED ALONG THE EDGE, A DEPTH OF 35.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 31.8 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 35.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 18.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
F. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 27.4 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
G. THE CHANNEL HAS SHOALED ALONG THE EDGE, A DEPTH OF 21.8 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

PRODUCED BY COMPUTER ASSISTED METHODS

NOTE C
SAN FRANCISCO VESSEL TRAFFIC SERVICE

Traffic lanes are intended for use by vessels 300 gross tons and over; arrows indicate the approximate direction of traffic flow within each lane.

PRECAUTIONARY AREA

Vessels transiting the precautionary area east of Alcatraz Island should exercise special caution.

RECREATION AREAS

Recreation areas are intended primarily for use by recreation vessels. Such areas should not be utilized by vessels 300 gross tons or more for through passage or for any other purpose, except in case of emergency or special circumstances.

LIMITED TRAFFIC AREA

Passage by vessels 300 gross tons or more through the Limited Traffic Area south of Yerba Buena Island should be limited to one such vessel at a time to avoid crossing or meeting situations.

VESSEL TRAFFIC SERVICE

The San Francisco Vessel Traffic Service utilizes channel 13 and may be contacted on channels 13 or 16, call sign "San Francisco Vessel Traffic Service." See U.S. Coast Pilot for additional information; specific operating procedures are available from Commander, Twelfth Coast Guard District.

NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.
Thomas J. Maginnis
Assistant Administrator for Ocean Services and Coastal Zone Management

LOGARITHMIC SPEED SCALE

Place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

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SOUNDINGS IN FEET

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102

METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

(San Francisco Bay)
SOUNDINGS IN FEET - SCALE 1:20,000

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DMA STOCK NO. 18AHA18650